

09286100 RED CREEK ABOVE RESERVOIR, NEAR FRUITLAND, UT

LOCATION.--Lat 40°19'48", long 110°51'43", in SW¹/₄SE¹/₄SE¹/₄, sec. 2, T. 2 S., R. 9 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 2 mi above Red Creek Dam and 9.2 mi north of Fruitland.

DRAINAGE AREA.--31.4 mi².

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,320 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversions above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 188 ft³/_s May 4, 1993, gage height, 2.95 ft from highwater mark; minimum recorded discharge, .03 ft³/_s Mar. 20, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 125 ft³/_s May 16, gage height, 2.94 ft; minimum daily discharge, 1.1 ft³/_s several days in February.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	3.0	e2.3	e2.6	e1.2	e2.8	6.6	37	40	9.5	5.7	5.0
2	2.8	3.7	e2.1	e2.4	e1.2	e2.8	6.2	25	40	9.4	5.2	5.5
3	4.5	3.0	e1.9	e2.2	e1.2	e2.8	7.0	24	36	9.4	4.8	5.1
4	2.5	3.0	e2.2	e2.0	e1.1	e2.8	9.0	31	33	9.4	6.3	4.4
5	2.3	3.5	e2.5	e1.6	e1.1	e2.7	8.4	44	32	9.1	8.6	3.4
6	2.1	3.1	e2.3	e1.7	e1.1	e2.6	7.4	54	31	8.5	6.3	3.4
7	2.0	4.5	e2.5	e1.8	e1.1	e2.5	7.5	50	29	8.0	7.2	3.9
8	2.0	4.3	e2.6	e1.8	e1.1	e2.6	7.8	54	33	7.6	4.7	4.6
9	1.9	3.3	e2.5	e1.9	e1.2	e2.6	8.9	52	37	7.5	4.1	3.6
10	1.9	3.3	e2.4	e1.9	e1.2	e2.6	9.1	57	37	7.4	4.7	13
11	1.9	2.9	e2.5	e1.6	e1.2	e2.6	7.6	66	30	7.1	4.7	5.6
12	2.0	2.9	e2.6	e1.3	e1.2	e2.7	7.2	76	28	7.5	9.8	5.4
13	2.0	3.1	e2.4	e1.3	e1.3	e2.7	6.9	77	29	7.3	8.2	3.5
14	3.7	2.9	e2.2	e1.4	e2.5	2.7	7.8	72	29	6.3	5.1	3.4
15	2.9	2.8	e2.1	e1.5	e2.7	2.8	9.0	88	24	6.0	4.2	4.3
16	2.4	e2.3	e2.1	e1.4	e2.8	3.8	12	92	22	5.8	3.9	4.7
17	2.3	e2.0	e1.7	e1.4	e2.9	4.9	17	96	21	5.1	3.7	3.3
18	2.2	e2.3	e1.8	e1.5	e3.0	5.0	24	90	20	5.9	3.5	5.1
19	3.1	e3.1	e1.9	e1.5	3.4	5.6	25	84	19	7.1	3.2	10
20	2.9	e2.9	e2.0	e1.5	e3.2	6.0	27	78	17	6.3	3.0	6.5
21	3.1	e3.0	e2.1	e1.4	3.3	7.1	36	78	16	5.8	3.1	5.0
22	3.7	e2.7	e2.0	e1.4	e3.1	7.7	28	68	15	5.8	2.9	4.0
23	3.0	e2.6	e1.9	e1.3	e3.0	8.5	29	65	14	6.7	2.8	3.7
24	2.8	e2.5	e2.2	e1.3	e2.9	8.0	20	78	13	6.4	3.0	3.4
25	3.6	e2.3	e2.4	e1.4	e2.8	6.6	18	68	13	5.5	2.8	3.5
26	3.0	e2.4	e2.4	e1.4	e2.7	7.1	22	52	12	4.8	2.7	7.9
27	3.4	e2.2	e2.5	e1.3	e2.8	7.9	34	43	12	4.9	2.8	6.3
28	4.5	e2.3	e2.5	e1.3	e2.8	7.1	50	36	11	5.8	2.9	4.6
29	3.6	e2.2	e2.5	e1.3	---	6.7	60	37	10	7.0	3.2	3.6
30	3.4	e2.2	e2.6	e1.2	---	6.8	43	38	9.9	5.5	3.3	3.2
31	3.4	---	e2.6	e1.2	---	7.6	---	39	---	5.9	3.6	---
TOTAL	87.4	86.3	70.3	48.8	59.1	146.7	561.4	1849	712.9	214.3	140.0	148.9
MEAN	2.82	2.88	2.27	1.57	2.11	4.73	18.7	59.6	23.8	6.91	4.52	4.96
MAX	4.5	4.5	2.6	2.6	3.4	8.5	60	96	40	9.5	9.8	13
MIN	1.9	2.0	1.7	1.2	1.1	2.5	6.2	24	9.9	4.8	2.7	3.2
AC-FT	173	171	139	97	117	291	1110	3670	1410	425	278	295

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1997, BY WATER YEAR (WY)

	1987	1987	1987	1990	1991	1989	1997	1997	1995	1995	1997	1997
MEAN	2.10	2.33	2.16	1.93	2.28	3.93	9.43	20.3	12.7	3.71	1.73	1.92
MAX	4.29	4.00	3.50	2.59	3.30	6.83	18.7	59.6	50.5	12.8	4.52	4.96
(WY)	1987	1987	1987	1990	1991	1989	1997	1997	1995	1995	1997	1997
MIN	1.28	1.39	1.30	1.17	1.30	2.97	4.53	4.43	1.77	.55	.35	.62
(WY)	1993	1989	1993	1989	1993	1993	1992	1992	1992	1994	1992	1994

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1987 - 1997
ANNUAL TOTAL	2647.92	4125.1	
ANNUAL MEAN	7.23	11.3	5.39
HIGHEST ANNUAL MEAN			11.3 1997
LOWEST ANNUAL MEAN			2.08 1992
HIGHEST DAILY MEAN	50 May 16	96 May 17	96 May 17 1997
LOWEST DAILY MEAN	.94 Aug 23	1.1 Feb 4	
ANNUAL SEVEN-DAY MINIMUM	1.1 Aug 21	1.1 Feb 2	.16 Jul 29 1992
ANNUAL RUNOFF (AC-FT)	5250	8180	3910
10 PERCENT EXCEEDS	21	36	12
50 PERCENT EXCEEDS	3.0	3.6	2.5
90 PERCENT EXCEEDS	1.7	1.7	1.1

e Estimated